

Application No. 09/757,519

1998, now U.S. Patent 6,506,493, entitled "Metal Oxide Particles," incorporated herein by reference. Suitable vanadium precursors for aerosol production include, for example, vanadium trichloride (VCl_3), vanadyl chloride ($VOCl$), and vanadyl dichloride ($VOCl_2$), which is soluble in absolute alcohol.

At page 22, lines 7-30, please replace the paragraph with the following. Note that this paragraph was previously amended in the Amendment of October 3, 2001.

The improved apparatus includes a collection system to remove the nanoparticles from the molecular stream. The collection system can be designed to collect a large quantity of particles without terminating production or, preferably, to run in continuous production by switching between different particle collectors within the collection system. The collection system can include curved components within the flow path similar to curved portion of the collection system shown in Fig. 1. A particular preferred collection system for particle production systems operating in a continuous collection mode is described in copending and commonly assigned U.S. Patent application serial number 09/107,729, now U.S. Patent 6,270,732 to Gardner et al., entitled "Particle Collection Apparatus And Associated Methods," incorporated herein by reference. A batch collection system for use with the improved reaction system is described in copending and commonly assigned U.S. Patent application serial number 09/188,770, filed on November 9, 1998, now U.S. Patent 6,506,493, entitled "Metal Oxide Particles," incorporated herein by reference. The configuration of the reactant injection components and the collection system can be reversed such that the particles are collected at the top of the apparatus.

At page 35, line 16, please replace the paragraph with the following. This paragraph was previously amended in the Preliminary Amendment filed with the application.

Positive electrode 454 includes electroactive nanoparticles such as metal vanadium oxide nanoparticles held together with a binder such as a polymeric binder. Nanoparticles for use in